

THE SIPRO MID-TERM III EXAMINATIONS-2024

SUBJECT : MATHEMATICS

CLASS : PRIMARY SIX

DURATION : 2 hours 30 minutes

Name : _____

School : _____

District : _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 20 questions (40 Marks).
3. Section B has 12 questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections A and B. must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:
"FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

PAGES	MARKS	INITIALS
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Page 6		
Page 7		
Total		

Please turn over



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PUBLISHERS OF THE SIPRO TEACHERS' GUIDES, LEARNER'S WORKBOOKS & PUPIL'S COMPANIONS

SECTION A: 40 MARKS

Attempt all questions in this section.
Questions 1 to 20 carry two marks each.

1.

Work out:
$$\begin{array}{r} 34 \\ \times 2 \\ \hline \end{array}$$

2.

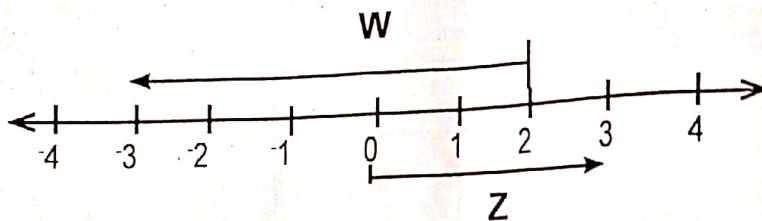
Expand $7,842$ using exponents.

3.

Work out: $16.45 + 2.396$

4.

Write the **integers** represented by the arrows marked with **W** and **Z** on the number line below.



W = _____

Z = _____

5.

Solve for e : $4 - e = 3e$

6.

If set **G** has 4 members, how many subsets does **set G** have?

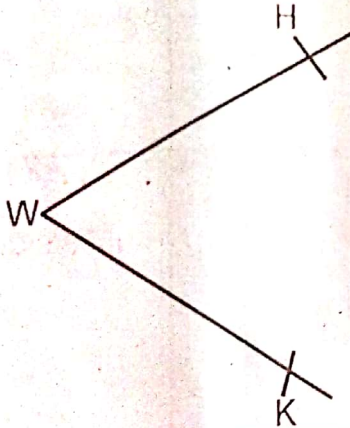
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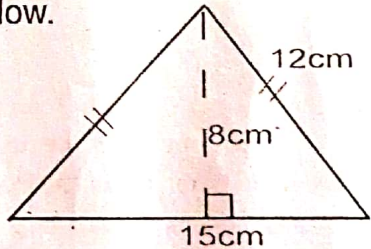
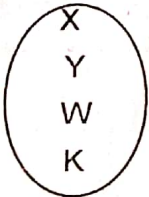
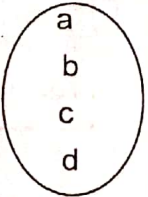
Find the square root of **144**.

8.

Kabuye scored the following marks in end of term II examinations;
70, 50, 60, 80, 40 and 60.
Find the **median** mark.



9.	Sanya had 94,500ml of milk. How many litres of milk did she have?	10.	The church service started at 10:50a.m and ended at 2:10p.m. How long was the service?
11.	Musoke bought 40 exercise books at sh.6,000 per dozen. How much money did he spend?		
12.	Using a pencil and a pair of compasses only, bisect the acute angle in the figure below.		
			
13.	Delight School charges sh. 800,000 as school fees. This term, the fees increased in the ratio of 5:4. What is the new school fees structure?		

14.	Mulindwa arrived in Uganda with US \$ 300. If 1 US \$ = Ug sh. 3,600, how much money in Uganda shillings was he given at the forex bureau?	
15.	If K and $K + 30^\circ$ are complementary angles, work out the size of angle K .	16. A motorist travelled 80km in 40 minutes. Calculate the speed of the motorist in kilometres per hour.
17.	Simplify: $-7-10$	18. Work out the area of the figure below. 
19.	Below are two sets W and F . <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> W  </div> <div style="text-align: center;"> F  </div> </div> <p>What is the relationship between the two sets?</p>	20. Work out: $6 \times 2 + 8 \div 4$



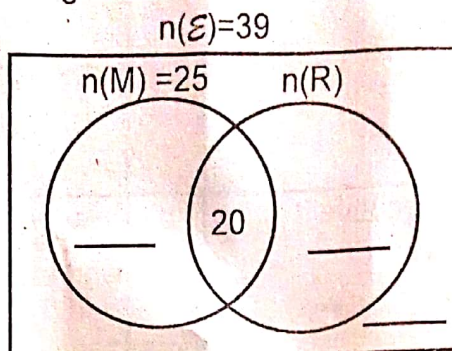
SECTION B: 60 MARKS

Attempt **all** questions in this section.

Marks for **each part** of the question are indicated in the brackets.

21. In a class of 39 pupils, 25 pupils like matoke (M), 10 pupils like rice (R) only, 20 pupils like both foods and 4 pupils like none of the two foods.

a) Complete the venn diagram below. (03 marks)



b) How many pupils like **only** one type of food? (02 marks)

22. There are 20% more boys than girls in the Science club.

a) What is the **percentage** of the girls in the club? (02 marks)

b) If the club has 12 girls, find the **total** number of pupils in the club. (03 marks)

23.a) **Work out:** (02 marks)

$$\begin{array}{r}
 243_{\text{five}} \\
 + 12_{\text{five}} \\
 \hline
 \\
 \hline
 \end{array}$$

b) Find the value of M in: (02 marks)

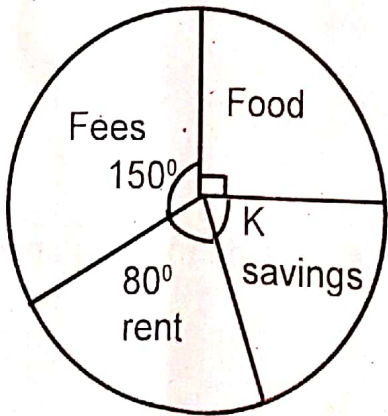
$$\begin{array}{r}
 412_{\text{five}} \\
 - 1m1_{\text{five}} \\
 \hline
 241
 \end{array}$$



24.a)	Work out: <div style="display: flex; justify-content: space-between;"> <div> Hours Mins 4 20 - 1 50 <hr/> <hr/> </div> <div>(02 marks)</div> </div>	b)	Kalekezi walked 3,600 metres in 36 minutes. Find his average speed in km per hour. (02 marks)
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25.	The sum of 3 consecutive multiples of 3 is 72. a) Find the multiples . (02 marks)	b)	Work out the product of the first and last multiplies. (02 marks)
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26. The circle graph below shows how Jamimah spends her monthly salary of sh.1,080,000. Study and use it to answer the questions that follow.



- a) Find the value of K. (02 marks)
- b) How much **more** does she spend on **fees** than on **rent**? (03 marks)



27.a) Convert $3\frac{1}{3}$ kg to grammes.

(02 marks)

b) How many packets of 200 grammes can be got from 2.6kg of sugar?

(02 marks)

28.a) Using a ruler, pencil and a pair of compasses only, construct a regular hexagon in a circle of radius 4cm.

(04 marks)

b) Work out its perimeter.

29.a) Use $<$, $>$ or $=$ to complete correctly:

(i) $-100 \square + 100$

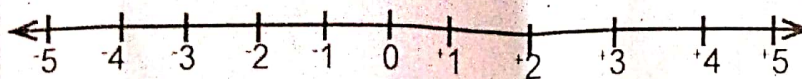
(01 mark)

(ii) $-5 \square - 30$

(01 mark)

b) Work out $+4 + -6$ using the number line below.

(03 marks)



30.a) Complete the abacus below. (03 marks)

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b) Write 96 in Roman numerals. (02 marks)

31. Given that $w = 2$, $n = 3$ and $v = 4$; Find the value of;

a) $2v - (w + n)$ (02 marks)

b) Paul is thrice the age of Sanyu. If their total age is 36 years, how old is Sanyu? (03 marks)

32. Namubiru was sent to the shop to buy the following items:

Item	Quantity	Unit cost	Amount
sugar	$1\frac{1}{2}$ kg	sh.4,000 per kg	sh._____
rice	3kg	sh._____ per kg	sh.15,000
cooking oil	_____ litres	sh.6,000 per litre.	sh.27,000
		Total bill	sh._____

(04 marks)

a) Complete the table above.

b) If she was given a change of sh.2,000, how much did she have at first? (02 marks)

